

Vicky Gupta

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[LinkedIn](#) | [GitHub](#) | [GFG Profile](#)

[LeetCode](#) | [HackerRank](#)

Career Summary

Motivated software enthusiast with a strong grasp of programming concepts and problem-solving skills. Passionate about technology, teamwork, and continuous learning. Seeking opportunities to contribute meaningfully and grow professionally.

Education

MCA	Cochin University College of Engineering, Kuttanad (CUCEK), Kerala	2024 – Present
	CGPA: 8.08*	
BCA	Indian Institute of Business Management (IIBM), Patna — Affiliated to AKU, Bihar	2020 – 2023
	CGPA: 8.5	

Skills

Programming Languages: Java, C

Web Development: HTML, CSS, JavaScript

Databases: MySQL

Developer Tools: IntelliJ IDEA, VS Code, Postman, MySQL Workbench, Git, GitHub

Concepts & Practices: Object-Oriented Programming (OOP), Monolithic Architecture, Version Control

Relevant Coursework: Data Structures, Computer Networks, Operating Systems, Database Management Systems (DBMS)

Projects

Student Library Management System

Java, Spring Boot, REST API, MySQL, JPA, Hibernate, HTML, CSS, JavaScript

- Built a full-stack system with a REST API backend and a simple frontend (HTML, CSS, JavaScript) for managing library activities like book issue, return, and student records.
- Followed a layered architecture (Controller, Service, Repository) in the backend to keep the code clean, modular, and easy to maintain.
- Implemented JPA and Hibernate for database operations, with DTOs and converters to ensure smooth data transfer.
- Added features like pagination (to handle large lists), data validation, and exception handling for reliability.
- Designed a user-friendly frontend with forms and tables using HTML, CSS, and JavaScript to interact with REST APIs.
- Integrated frontend with backend REST APIs for adding/viewing students, issuing/returning books, and managing records.
- Tested APIs using Postman and managed dependencies with Maven.
- Helped make library operations faster, easier, and more organized through a structured full-stack system.

Simple Java Payroll System

Java, OOP (Abstraction, Inheritance, Polymorphism)

- Developed a Java console-based payroll system to demonstrate core OOP principles such as abstraction, inheritance, and polymorphism.
- Implemented employee management features, allowing users to easily add or remove employees with clear object representation.
- Designed a polymorphic salary calculation system that automatically handles different rules for full-time and part-time employees.
- Ensured the codebase was modular and maintainable by using an abstract base class (`Employee`) with specialized subclasses.
- Displayed employee details and computed salaries through a simple and user-friendly console interface.
- Helped showcase how object-oriented programming can simplify real-world applications like payroll management.

Certifications and Activities

• Coding Profiles:

- Solved 150+ problems on [GeeksforGeeks \(GFG\)](#)
- Solved 100+ problems on [HackerRank](#)

• ADCA – Advance Diploma in Computer Application — [Certificate Link](#)

- **Other Interests:**

- Event Management
- Alumni Cell Coordinator
- Teamwork
- Leadership